

- 1 -

SEQUENCE LISTING

<110> Bayer AG

Healthcare, Bayer

<120> Diagnostics and Therapeutics for Diseases Associated with human phosphodiesterase 11A (PDE11A)

<130> LeA 36282

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<170> PatentIn version 3.1

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<212> DNA

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- 2 -

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Gln Asp Pro Arg Phe Asp Ala Glu Ala Asp Gln Ile Ser Gly Phe His
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Ile Arg Ser Val Leu Cys Val Pro Ile Trp Asn Ser Asn His Gln Ile
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Ile Gly Val Ala Gln Val Leu Asn Arg Leu Asp Gly Lys Pro Phe Asp
 85 90 95

Asp Ala Asp Gln Arg Leu Phe Glu Ala Phe Val Ile Phe Cys Gly Leu
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- 4 -

Gly Ile Asn Asn Thr Ile Met Tyr Asp Gln Val Lys Lys Ser Trp Ala
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Lys Gln Ser Val Ala Leu Asp Val Leu Ser Tyr His Ala Thr Cys Ser
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Glu Leu Ala Ile Asp Asp Ile His Phe Asp Asp Phe Ser Leu Asp Val
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Asp Ala Met Ile Thr Ala Ala Leu Arg Met Phe Met Glu Leu Gly Met
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Thr Val Arg Lys Asn Tyr Arg Met Val Leu Tyr His Asn Trp Arg His
210 215 220

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Phe Gln Asp Ile Leu Thr Glu Val Glu Ile Leu Ala Val Ile Val Gly
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Cys Leu Cys His Asp Leu Asp His Arg Gly Thr Asn Asn Ala Phe Gln
260 265 270

Ala Lys Ser Gly Ser Ala Leu Ala Gln Leu Tyr Gly Thr Ser Ala Thr
275 280 285

- 5 -

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 290 295 300

Gly His Asn Ile Phe Ala Asn Leu Ser Ser Lys Glu Tyr Ser Asp Leu
 305 310 315 320

Met Gln Leu Leu Lys Gln Ser Ile Leu Ala Thr Asp Leu Thr Leu Tyr
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Phe Glu Arg Arg Thr Glu Phe Phe Glu Leu Val Ser Lys Gly Glu Tyr
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Thr Ala Cys Asp Leu Gly Ala Val Thr Lys Pro Trp Glu Ile Ser Arg
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Glu Arg Leu Glu Leu Lys Leu Thr Pro Ser Ala Ile Phe Asp Arg Asn
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Arg Lys Asp Glu Leu Pro Arg Leu Gln Leu Glu Trp Ile Asp Ser Ile
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Cys Met Pro Leu Tyr Gln Ala Leu Val Lys Val Asn Val Lys Leu Lys
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Pro Met Leu Asp Ser Val Ala Thr Asn Arg Ser Lys Trp Glu Glu Leu
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- 6 -

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